DES-1526

FEATURES

High Performance Wire-Speed Architecture:
- 8.8Gbps Switching capacity
- SNMP v1
- 4K MAC address table
- 802.1Q VLANs
- Port-based VLANs
- Link aggregation
- Port mirroring
- Port setting (speed, availability, flow control)
- Web-based management
- Auto-discovery utility
- BootP/DHCP client

Operational Simplicity:
- True plug & play
- Auto-Negotiation
- Clear, at-a-glance per port LED Indicators
- Auto-MDI/MDI-X detection

Investment Protection:
- Support for Industry Standards
- (24) 10/100 802.3af PoE ports with up to 15.4 Watts provided per port

Layer 2 Switch
Web Smart 24-Port PoE 10/100BASE-TX + 2 Combo Gigabit Copper / SFP ports with SNMP

D-Link's Web Smart DES-1526 is equipped with (24) 10/100BASE-TX Fast Ethernet ports, all of which support 802.3af Power Over Ethernet (PoE). The DES-1526 is also equipped with two combo 10/100/1000BASE-T/SFP (mini-GBIC) ports for flexible copper/fiber Gigabit connections. The DES-1526 is an effective solution for small and medium size businesses deploying wireless networks, increasing security, and adding multimedia applications. This all-in-one solution economically integrates Gigabit technology that removes server bottlenecks and speeds up access to the network backbone. It also provides Smart management features and Power Over Ethernet to supply power injection into 802.3af compliant devices such as IP phones, wireless access points, and IP cameras.

Exceptionally Smart
The DES-1526 provides QoS features that are suitable for today's multimedia applications. Through a Web-based interface, an administrator can set up 802.1Q VLANs to segregate traffic, 802.1P to prioritize mission-critical data such as voice or video packets, and link aggregation to create fat traffic pipelines. The DES-1526 also provides network monitoring tools such as port mirroring, SNMP, and basic port statistics. Best of all, the password-protected configuration interface can be accessed remotely.

Power over Ethernet 802.3af
The DES-1526 has (24) 10/100BASE-TX ports that support 802.3af PoE protocol. It is designed to inject up to 15.4Watts of power per port. Any device that is IEEE 802.3af compliant can be attached to the switch; no additional power will be required to support the attached device. This eliminates the need for power rewiring and minimizes the clutter of power supplies and adapters in awkward places such as ceilings or walls. For devices that are not 802.3af compliant, the D-Link DWL-P50 adapter can be used to supply power to the device. The DES-1526 is ideal for today's popular VoIP phones, wireless access points and IP security cameras. Through its Web Smart interface, an administrator can easily hard reboot the attached device by a simple click of a button, facilitating network troubleshooting without physically having to go to where the actual attached device may be located. DES-1526 also supports active circuit protection, which automatically disables a port if there is a short, while the other ports remain active.

Superior Performance
The auto features of this switch make installation plug & play and hassle-free. No configuration is required. Auto-MDI/MDI-X crossover on all ports eliminates the need for crossover cables for connection to another switch or hub. Auto-Negotiation on each port senses the link speed of a network device (either 10 or 100) and intelligently adjusts for compatibility and optimal performance. If an 802.3af compliant device is attached, power supplied to the device will be automatically adjusted to fit the device. The DES-1526 also features diagnostic LEDs, which displays Link, speed, power, and activity, allowing you to quickly detect and correct problems on the network.

Product Data Sheet

D-Link®
Building Networks for People

Technical Specifications

Product specifications	
DES-1526	(24) Ports 10/100Mbps with 802.3af PoE + 2 Combo Gigabit Copper / SFP ports
MAC Address Table	4K
Switch Fabric	8.8Gbps
Transmission Method	Store-and-forward
Diagnostic LEDs	Per Unit: Power, CPU
	Per Port: Activity/Link & Speed
	PoE port: power/error
Packet Buffer Memory	768K
Flash memory	1MB

Interface Options

RJ-45	10BASE-T, 100BASE-TX, 1000BASE-T
SFP/LC	1000BASE-X

Network Protocols and Standards

IEEE	802.3 Ethernet, 802.3u, 802.3x Flow Control, 802.3af, 802.3ab, 802.3z

Smart Advanced Features

- -802.1Q VLAN, maximum 64 groups
- -QoS 802.1P, maximum 2 queues
- -802.3ad Link Aggregation
- -Port Mirroring
- -BootP/DHCP client
- -SNMP v1
- -Management Password-protected access
- -Port settings

- -Configuration restore/backup
- -Firmware upgrade
- -Web-based Management, Graphic User Interface
- -Configuration reset through software or reset button
- -Port Power setting
- -Auto discovery feature, automatically recognize the connection of PD device and immediately sends power to it.

Electrical & Emissions Summary

Emissions	FCC Class A, CE Class A, VCCI ClassA
Power Supply	100-240 VAC, 50/60Hz Internal universal power supply
Max Power Consumption	180 Watts
PoE budget	up to 15.4 Watts per port
PoE Wiring	Alternate A (Power over pins 1,2,3,6)

Safety Agency Certifications and Environmental

Safety	cUL
Temperature	Operating 0°-40°C (32°- 104°F)
	Storage -10° to 70°C (14°-158°F)
Humidity	Operating 10%-90% RH, Non-condensing
	Storage 5% ~ 90% RH, Non-condensing

Physical Specifications

Dimensions (L x W x H)	17.32 x 12.20 x 1.73in (440mm x 310mm x 44mm)
Weight	13.23 lbs (6kg)

Warranty and Support Information

Warranty	5 Year
Support	Free Technical Support

Ordering Information

Part Number	Description
DES-1526	Web Smart 24-Port 10/100BASE-TX + 2 Combo Gigabit Copper / SFP ports with 802.3af PoE
DWL-P50	802.3af Power Over Ethernet Adapter
DEM-310GT	Mini GBIC/SFP 1000 BASE-SX (up to 550m)
DEM-311GT	Mini GBIC/SFP 1000 BASE-LX (up to 10km)
DEM-312GT2	Mini GBIC/SFP 1000 BASE-SX+ (up to 2km)
DEM-314GT	Mini GBIC/SFP 1000 BASE-LH (up to 50km)
DEM-315GT	Mini GBIC/SFP 1000 BASE-ZX (up to 80km)